

Transmitting Valve

TYPE A.C.S.3

(Air-Cooled-Anode.
Indirectly Heated Oxide Coated Type).



(Approximate overall dimensions : ³⁸⁹⁸ 170 × 40 m/ms.)

An air-cooled-anode screen grid transmitting valve with an indirectly heated oxide coated cathode. In operation free air circulation is required. Used in a suitable circuit as an unmodulated Class C amplifying valve the normal input is 50 milliamperes mean anode current at 500 anode volts D.C. at wavelengths not less than 15 metres.

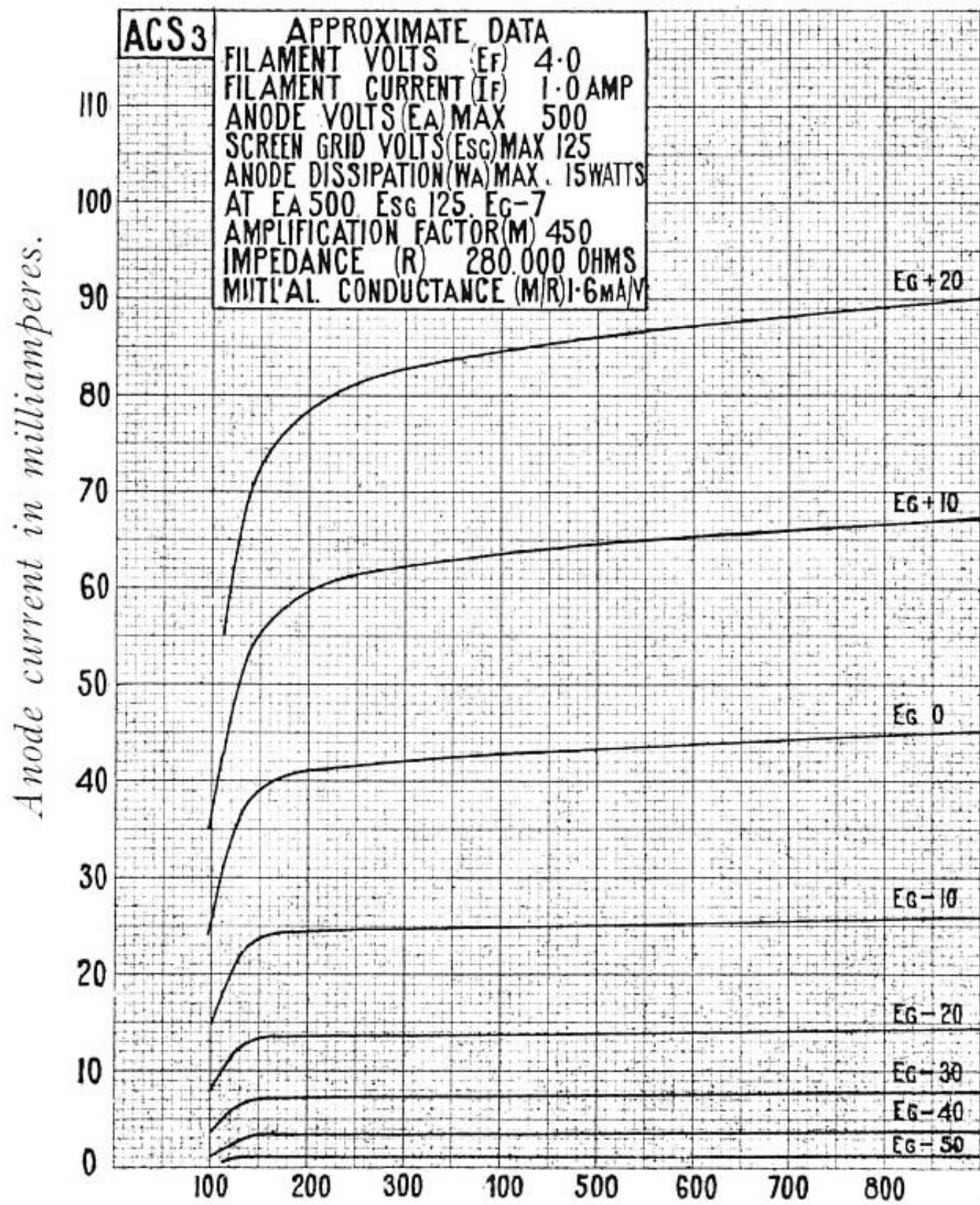
The maximum permissible anode dissipation under oscillatory conditions is 15 watts.

The screen potential should not exceed 125 volts D.C. and should be obtained direct from a D.C. voltage supply or from a suitably designed potentiometer, and not through a series resistance from the anode supply. The D.C. screen current should not exceed 20 milliamperes.

Approximate Data :

Filament volts	4.0	Screen volts max. ..	125
Filament amperes	1.0	*Mutual conductance (Ma/v.)	1.6
Anode volts max. (D.C.) ..	500		

*Taken about anode volts 500, screen grid volts 125, and grid volts — 7.



3899

Anode potential in volts.

Characteristic Curves of Average Valve.

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